SONY

make.believe

Interchangeable-lens digital camera

α58

stunning photos start here

THE POWER OF IMAGING

Translucent Mirror Technology™

Full-time Continuous AF

Bring vibrant scenes to life

Capture decisive moments like a professional with the new α58. It unites high-end camera technology with innovative new features and user-friendly operation to enable comfortable, carefree shooting with stunningly attractive results. In fact, every curve and detail of the sophisticated, taut body has been painstakingly refined to enhance your handling ease. The body also beautifully matches the new SAL18552 kit lens. Whether shooting photos or HD movies, it's easy to bring all the clear advantages of interchangeable-lens photography to your images.

α58

- New 20.1-megapixel* Exmor® APS HD CMOS sensor
- New high-resolution, high-contrast OLED Tru-Finder™
- New Lock-on AF
- New Auto Object Framing
- 15-point AF system with 3 cross sensors
- Quick AF Full HD Movie
- ISO 100-16000 sensitivity

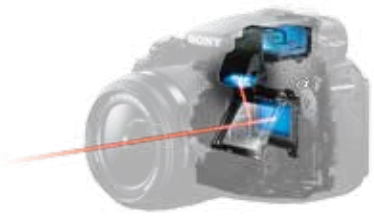
* Effective megapixels (approx.)

Translucent Mirror Technology™
Full-time Continuous AF

2011 AWARDS TIPA BEST IMAGING INNOVATION

The secret to Sony performance

Sony's proprietary Translucent Mirror Technology simultaneously directs light to the image sensor and AF sensor on a continuous basis to realize full-time live view shooting and accelerated full-time continuous phase-detection autofocusing even during HD movie shooting. It's the cornerstone of Sony interchangeable-lens camera technology.

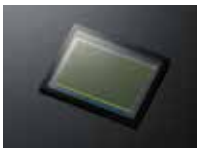


DT 18-55mm F3.5-5.6 SAM II (SAL18552), 1/800 sec., F5.6, ISO 200

Create stunningly detailed photos and movies

New 20.1-megapixel Exmor® APS HD CMOS sensor

Every scene is captured beautifully, from corner to corner, with fine details and rich tonal gradations thanks to Sony's proprietary Exmor® APS HD CMOS sensor. Its large size delivers high sensitivity, attractive defocusing effects, and low noise in wide-ranging shooting situations including dimly lit environments. Impressive 20.1-effective-megapixel resolution also brings every detail to life.



SteadyShot™ INSIDE image stabilization and anti-dust technology

Enjoy sharp images with suppressed camera shake blur when using any A-mount lens (including professional Carl Zeiss® and G Lenses™), thanks to image stabilization built within the camera that provides compensation equivalent to approx. 2.5-4.5 steps in shutter speed. An anti-dust coating on the surface of the image sensor also helps keep your images blemish-free.

Dust particles dislodged by vibration

Wide-ranging sensitivity from ISO 100 to 16000

Even in dim lighting, you can shoot beautiful photos with natural tonal gradations and low noise — without using a flash. Auto ISO provides outstanding results in most lighting situations and you can select settings manually to suit particular occasions. Excellent low-light performance is made possible by cutting-edge features like the same area-specific noise reduction as found on the α99.

DT 18-135mm F3.5-5.6 SAM (SAL18135), 1/5 sec., F5.6, ISO 3200

Quick AF Full HD Movie (AVCHD 1920 × 1080)

Create movies of amazing clarity at Full HD resolution with full-time continuous phase-detection AF, the same swift, accurate focusing used during still photography. Movies can be recorded at 60i* for super smooth playback or 24p* for a cinematic look. You can also use P/A/S/M modes to expand your movie-making creativity.

* On 1080 60i devices

AVCHD Full HD 1080 HDMI

DT 18-135mm F3.5-5.6 SAM (SAL18135), 1/13 sec., F7.1, ISO 200

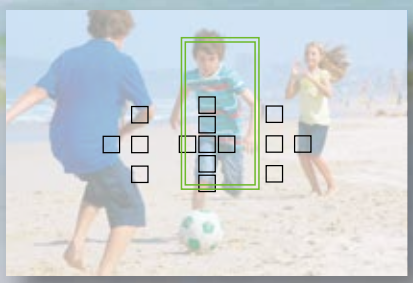
Capture even challenging subjects clearly

Target frame size adjusts to suit the characteristics of the subject.

New Lock-on AF for tracking moving subjects

Now it's easier than ever to keep moving subjects in focus. Through proprietary Sony Translucent Mirror Technology and subject size detection, new Lock-on AF continuously adjusts target frame size based on various subject characteristics and dramatically increases the in-focus rate. Even if your subject's face cannot be detected, it ensures smooth, stable focusing using the optimal AF point — without having to search. When the On (Lock-on AF w/ shutter) setting is selected, you can press the shutter button halfway to activate Lock-on AF* and view your subject fully focused in the viewfinder or LCD screen. Lock-on AF combines with your selected AF area mode to instantly lock on your subject and take advantage of highly accurate, Full-time Continuous AF.

* Shutter button activation is only available in AF-C mode.



Lock-on AF

Conventional Object Tracking

Unlike conventional Object Tracking, Lock-on AF on the α58 keeps tracking your moving subject even if his or her face moves outside the AF area.

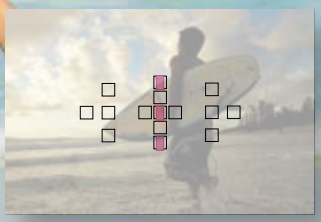
Full-time Continuous AF and 8 fps continuous shooting

Accelerated full-time continuous phase-detection autofocusing keeps your subject in sharp focus even during live-view movie shooting and when capturing subjects at 8 fps in the Tele-zoom Continuous Advance Priority AE mode. This impressive performance, made possible by Translucent Mirror Technology, lets you effortlessly capture dramatic moments and expressions in all types of situations with professional-looking results. The α58 also supports 5 fps continuous shooting at the camera's highest resolution (20.1 effective megapixels)*.

* Continuous shooting speed may be slower depending on shooting conditions. In Continuous Advance Priority AE and Tele-zoom Continuous Advance Priority AE modes, the aperture is fixed at F3.5 or the maximum aperture of the lens, whichever is smaller.

15-point AF system with 3 cross sensors

The advanced phase-detection autofocusing system delivers smooth, accurate autofocusing at extremely high speeds. Three cross sensors in the 15-point AF system enable more accurate and reliable tracking of moving subjects than vertical and horizontal sensors can provide, even in dim lighting. You can choose any of four AF area modes (Wide, Zone, Spot or Local) depending on your needs.



AF modes

Various AF modes are selectable — AF-S (Single shot), AF-A (Auto) and AF-C (Continuous). Also selectable is Manual focus mode, which provides access to the Peaking function for greater focusing precision.

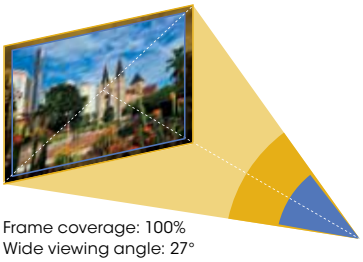
Translucent
Mirror Technology™

Full-time Continuous AF

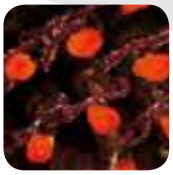
Shoot comfortably with precision feedback

New high-resolution, high-contrast OLED Tru-Finder® with 100% frame coverage

The OLED Tru-Finder is easy to view in almost any lighting and allows comfortable live-view shooting thanks to Translucent Mirror Technology. You can accurately monitor the results of your settings while shooting, because it faithfully displays details as they will appear in your recording. Pressing the Preview button even displays defocusing effects with greater accuracy than OVFs. Employed in Sony's high-end cameras, the OLED design eliminates backlighting to deliver blacker blacks, clearer details and higher contrast in both dark and light environments. You'll enjoy 100% frame coverage, sharp 1,440k-dot image resolution, a 26.5 mm eye-point, and a notably wide 27° viewing angle.



Frame coverage: 100%
Wide viewing angle: 27°



OLED electronic viewfinder

LCD electronic viewfinder

OLED
Tru-Finder

Tru-Finder preview of exposure compensation

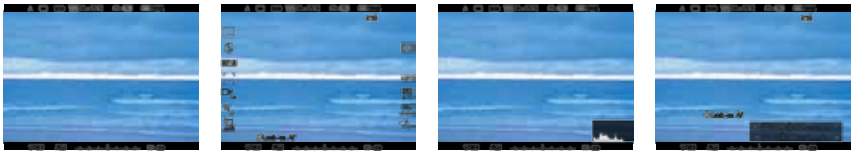
Tru-Finder preview of Picture Effect
(High Contrast Monochrome)

Effects previews

Sony's Tru-Finder® electronic viewfinder eliminates the guesswork by displaying exactly what will appear in your photos and movies — a major advantage over optical viewfinders. Even before shooting, you can see the effects of your camera settings, including brightness, color and Picture Effect modes. Made possible by Translucent Mirror Technology, these faithful previews let you easily enjoy all the creative benefits of interchangeable lens photography.

Variable information display

The viewfinder can clearly display vital shooting information for easy confirmation. Simply press the DISP button and choose the setting you desire (No Disp. Info., Display All Info., Histogram or Graphic Display). Information can also be displayed on the rear LCD screen.



No Disp. Info. | Display All Info. | Histogram | Graphic Display

460,800-dot 2.7-type LCD screen with tiltable design

Sony's LCD screen brings out every detail of your scene. You can tilt it to clearly shoot from almost any angle, including over your head to shoot over crowds or on the ground for a startling view of pets and flowers. The 2.7-type screen displays images brightly and clearly at 460,800-dot resolution. Moreover, low reflection technology contributes to deeper blacks and higher contrast. Brightness is adjustable.

Tiltable LCD screen
(max. 135 degrees up and 55 degrees down)

Reveal the full potential of every scene

New Auto Object Framing

Sony makes it easy to create beautifully balanced images whether shooting one person, two people, a close-up or someone on the move. Simply photograph your subject and new Auto Object Framing automatically saves a trimmed image (in addition to your original image) that's more professionally composed. Using the "rule of thirds" principle, it delivers optimally balanced single-person and two-person portraits (Auto Portrait Framing), expertly recomposed close-ups (Auto Macro Framing), and dynamic photos of moving subjects with more space in the direction the subject is facing (Auto Tracking Framing). Sony's By Pixel Super Resolution Technology maintains the same resolution as the original.

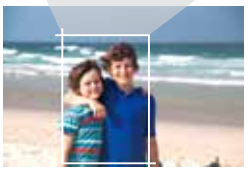
Note: Optimal results may not be possible in certain shooting conditions.

Auto Tracking Framing

Clear Image Zoom

Using proprietary By Pixel Super Resolution Technology, this feature zooms the center of your image up to 2x without decreasing the pixel count. Since image quality closely matches that of optical zooming, it virtually doubles the zooming range of any lens you mount and lets you take fuller advantage of the brightness of compact single-focal length lenses.

x2

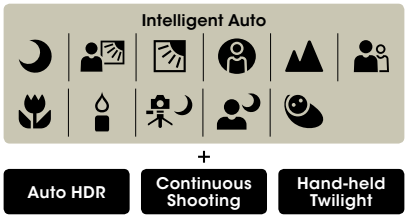


Auto Portrait Framing

Auto Macro Framing

Superior Auto mode

For the ultimate in point-and-shoot convenience, enter the Superior Auto mode. It utilizes advanced detection and analysis to optimize camera parameters for the scene you're shooting. Moreover, it activates advanced functions like Auto HDR and Hand-held Twilight when image quality can be improved. Helpful information is also conveniently displayed on screen.



Auto HDR

Picture Effect (11 modes, 15 effects)

Everyday scenes become fascinating images when you apply any of Picture Effect's 11 customizable modes and 15 effects, including Miniature and HDR Painting. The camera adjusts various parameters, applies advanced processing and lets you monitor most of the effects in real time while shooting.

For convenience, Picture Effect is now easily selectable from the mode dial.

Miniature

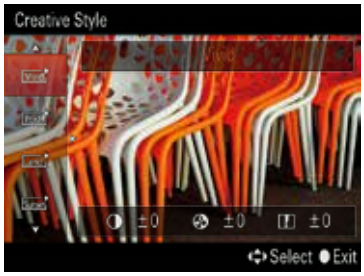
Posterization

HDR Painting

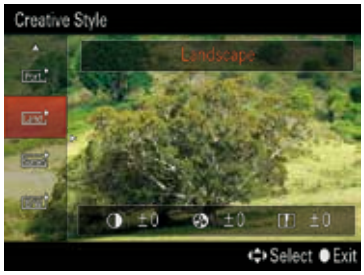
Toy Camera

Creative Style

Bring out the character of your scene with any of six Creative Style settings (Standard, Vivid, Portrait, Landscape, Sunset or Black & White). The camera adjusts the color and other image parameters while allowing you to manually fine-tune the contrast, saturation* and sharpness to achieve the look you desire.



Vivid



Landscape

* Not available when B/W mode is selected.

Rich functionality frees you from limitations

Auto HDR (High Dynamic Range)

Expand the dynamic range of your images from darkest shadows to brightest highlights and capture all the tonal gradations seen by your naked eye. Auto HDR achieves this by shooting three exposures and compositing the details.

Multi Frame NR (Noise Reduction)

In dark environments, Multi Frame NR takes six images and composites them to achieve noise reduction equivalent to a 2-stop lower shutter speed. Even candlelit environments can be vividly captured without using a tripod or flash.

Hand-held Twilight

Create beautiful evening shots without using a tripod or flash. This Scene Selection mode composites six images taken at high speed and applies noise reduction to create a single beautiful image with minimal blur and noise.

D-Range Optimizer (DRO)

In difficult lighting, DRO analyzes and corrects your image to achieve smoother, more natural gradations with more detail in the highlights and shadows. When a backlit subject's face is dark, for example, it recovers details in the shadows to deliver a naturally bright image. You can use it during continuous shooting and choose the amount of correction up to 5 steps.

DRO off

DRO on (Lv.5)

Face Detection and Smile Shutter

Faces always look their best when you capture them with Face Detection technology. It ensures clear focusing and accurate skin tones by automatically fine-tuning the exposure, white balance, flash and more. Smile Shutter also makes it easy to capture subjects when their smiles reach the desired level.

Exposure Mode

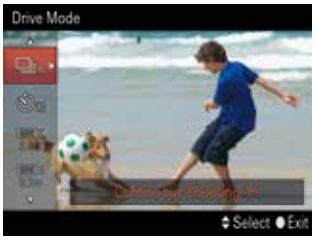
The mode dial on top of the α58 makes it simple to select a P/A/S/M mode. Just flick the dial to your choice of clearly labeled Program Auto, Aperture priority, Shutter-speed priority or Manual exposure mode. The dial also provides access to 8 Scene Selection modes that apply camera settings appropriate for the type of scene.

Scene Selection

For simpler operation, select a Scene Selection mode that matches the type of scene you are shooting. The α58 will then optimize the aperture, shutter speed, white balance and other parameters automatically to match your scene. Scene Selection is easily selectable from the mode dial and provides a choice of 8 modes (Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight and Night Portrait).

Drive Modes

User-friendly icons make it easy to switch between single-shot, continuous, bracketed and self-timer shooting. You can also select parameters such as continuous shooting at 5 (Hi) or 2.5 (Low) fps, self-timer shooting with a 2 or 10-second delay, or bracketing with your choice of exposure, white balance or DRO.



Two-axis White Balance

To achieve natural looking colors, you can use automatic white balance, a full range of white balance presets, or a two-axis White Balance mode that lets you fine-tune white balance in the amber-blue and green-magenta directions to achieve more true-to-life color under almost any kind of light source.

Built-in pop-up flash (G No. 10)

The flash unit automatically pops up to illuminate dark scenes. It offers various modes, a guide number of 10 (ISO 100·m), an irradiation angle that covers the angle of view of a wide 18 mm lens, and a maximum sync speed of 1/160 sec.

Multi memory card support

The multi-type slot lets you use standard memory cards, including Memory Stick PRO Duo™ and SD memory cards*. Sony memory cards undergo rigorous testing and are recommended for outstanding performance.

* Supports the latest generation of SD, SDHC, and SDXC memory cards

HDMI® terminal

Easily link the camera with an HDTV for big-screen still image and movie viewing and listening pleasure. BRAVIA TVs supporting BRAVIA Sync and PhotoTV HD even enable camera playback using the TV's remote control.

Lens shading and aberration compensation

The α58 utilizes embedded data on all supported lenses* to optimally compensate for vignetting (peripheral shading), lateral chromatic aberration and optical distortion in the lens you mount. Manual deactivation is possible for each.

* SAL1650, SAL1855, SAL18250, SAL55200-2, SAL1680Z, SAL16105, SAL24F20Z, SAL85F14Z, SAL135F18Z, SAL70300G, SAL35F18, SAL50F18, SAL18552, SAL18135, SAL30M28, SAL50F14, SAL50F14Z, SAL2470Z, SAL2875, SAL70400G, SAL70400G2, SAL70200G, SAL35F14G, SAL1635Z, SAL55300, SAL100M28, SAL50M28, SAL85F28, SAL18200, SAL20F28 and SAL28F28.

Sweep Panorama®

Simply sweep the camera and the α58 will automatically record and seamlessly stitch a sequence of photos to create a spectacular image. You can view the images on the camera or on a BRAVIA HDTV for big-screen viewing pleasure.

PlayMemories Home™

PlayMemories Home

Free, easy-to-use image management software installs onto Windows PC's for Sony Digital Camera users. Download photos and movies onto your computer then view, organize, edit, retouch, print, burn to disk, share or upload to social networking websites*.

* Cannot be used to retouch movies.

PlayMemories Studio™

PlayMemories Studio

Turn your PlayStation®3 into a creative playground. Use familiar controllers to edit, organize, view and share photos and movies. PlayMemories Studio™ also plays photo slide shows with sound.

PlayMemories Online™

PlayMemories Online

Share photos and movies across all your devices. Sony's photo and movie sharing website lets you view content on computers, tablets, smartphones, BRAVIA TVs and S-Frames. Start with 5 GB of free storage space and upgrade as needed. For details, visit http://playmemoriesonline.com

TRILUMINOS™ Color. A breathtaking way to relive your fondest memories.

The α58 supports Sony's "TRILUMINOS Color," allowing you to view photos and movies in rich, natural colors on any TV equipped with a "TRILUMINOS Display." The expanded color gamut lets you immerse yourself once again in those unforgettably colorful moments, from the complex shades in a shimmering blue sky to the delicate skin tones in a baby's face.

Interchangeable lenses

DT 18-135mm F3.5-5.6 SAM
(SAL18135)

APS-C

1/160 sec., F11, ISO 200

This mid-range zoom lens offers a flexible focal range. It's the lightest midrange magnification zoom lens available (approx. 398 g), with silent SAM (Smooth Autofocus Motor) AF and aberration compensation.

DT 55-200mm F4-5.6 SAM
(SAL55200-2)

APS-C

1/1250 sec., F5.6, ISO 200

This high-quality portable telephoto lens provides sharp, clear images, well-defined colors, a pleasing defocused effect and the smooth, silent operation of a SAM (Smooth Autofocus Motor).

DT 50mm F1.8 SAM
(SAL50F18)

APS-C

1/1000 sec., F1.8, ISO 100

Our moderate portrait lens with wide F1.8 maximum aperture makes subjects stand out brilliantly against beautifully blurred backgrounds. Compact and lightweight, it features silent AF operation.

DT 30mm F2.8 Macro SAM
(SAL30M28)

APS-C

1/400 sec., F2.8, ISO 200

Sony's macro lens for APS-C cameras lets you capture detailed close-ups of subjects as close as approx. 13 cm away with Smooth Autofocus Motor operation, sharp detail and beautiful background blur.

NEW

DT 18-55mm F3.5-5.6 SAM II
(SAL18552)

APS-C

NEW ZEISS

Planar T* 50mm F1.4 ZA SSM
(SAL50F14Z)

NEW G

70-400mm F4-5.6 G SSM II
(SAL70400G2)

APS-C Designed specifically for use with cameras that have an APS-C type image sensor

Sony "α" A-mount lenses

Expand your range of shooting possibilities by adding any of 35 compatible α system A-mount lenses (including converter lenses) ranging from fisheye, ultra wide-angle and macro to super telephoto models.

Accessories

For details, please check your local site

NEW

Flash

20

HVL-F20M

This MI Shoe compatible version of our compact flash unit features easy operation, a Guide number of 20 (at ISO 100·m), and switching between bounce (75° upward) and direct flash settings.

Flash

60

HVL-F60M

Our powerful flagship flash unit (GN 60) features an LED light and delivers creative lighting for both still image and movie shooting. It also offers a flexible rotation mechanism for Quick Shift Bounce.

NEW

Remote Commander

RM-VPR1

Enjoy the convenience of remote still image and movie shooting by attaching this remote unit to the camera. It includes controls for locking the shutter, zooming* and movie rec on/off.

* Only digital zooming on α58.

NEW

Remote Control Tripod

VCT-VPR1

This sturdy tripod offers remote controls for shooting, zooming*, locking the shutter and displaying grid lines. Its removable remote controller connects by cable to the camera's Multi Terminal.

* Only digital zooming on α58.

NEW

Stereo Microphone

ECM-XYST1M

NEW

Battery Video IR Light

HVL-LEIR1

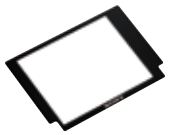
For cameras with NightShot.

Rechargeable Battery Pack

NP-FM500H

Battery Charger

BC-VM10



Screen Protect Semi Hard Sheet

PCK-LM11

Shoulder Strap

STP-XS3

Soft Carrying Case

LCS-AMB

Rechargeable Battery Pack

NP-FM500H

Accessory Kit

ACC-FM1A

Soft Carrying Case

LCS-SC8

NEW

Sling Bag

LCS-SB1

Back Pack

LCS-BP3

α58 controls and dials

Memory card insertion slot (*Memory Stick PRO Duo* / SD memory card)

Number of recordable frames for single media

(*Memory Stick PRO Duo*, Image size L 20M, aspect ratio 3:2)

	2 GB	4 GB	8 GB	16 GB	32 GB	64 GB
Standard	385	780	1550	3150	6300	12500
Fine	240	485	980	1950	3900	7800
RAW & JPEG	65	125	260	520	1050	2100
RAW	89	175	355	720	1400	2850

Movie recording time for single media

(*Memory Stick PRO Duo*, in hours and minutes, approx.)

		2 GB	4 GB	8 GB	16 GB	32 GB	64 GB
AVCHD	60i 24M (FX)	0:10	0:20	0:45	1:30	3:00	6:00
AVCHD	60i 17M (FH)	0:15	0:30	1:00	2:00	4:05	8:15
AVCHD	24p 24M (FX)	0:10	0:20	0:45	1:30	3:00	6:00
AVCHD	24p 17M (FH)	0:15	0:30	1:00	2:00	4:05	8:15
MP4	1440 x 1080 12M	0:20	0:40	1:20	2:45	5:30	11:05

† • Recommended memory card for movie recording: Memory Stick PRO Duo (Mark2), Memory Stick PRO-HG Duo, SD memory card/SDHC memory card/SDXC memory card (Class 4 or more)
• The number ts in the table above show the approximate maximum recordable time obtained by totaling all movie files.
• The size of a movie file is limited to approx. 2 GB.

Main specifications of α58

Type		
Camera type		Interchangeable-lens digital camera with built-in flash
Lens compatibility		
Lens compatibility		Sony A-mount lenses, operation with Minolta/Konica Minolta lenses confirmed
Image sensor		
Type		APS-C size (23.2 x 15.4 mm), *Exmor* APS HD CMOS sensor with primary color filters
Number of pixels (effective)		Approx. 20.1 megapixels
Number of pixels (total)		Approx. 20.4 megapixels
Image sensor aspect ratio		3:2
Anti-dust system		Charge protection coating on image sensor and Image Sensor-Shift mechanism
Recording system (still image)		
Recording format		JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Image size (pixels)	3:2 aspect ratio	L: 5456 x 3632 (20M), M: 3872 x 2576 (10M), S: 2736 x 1824 (5M)
	16:9 aspect ratio	L: 5456 x 3064 (17M), M: 3872 x 2176 (8.4M), S: 2736 x 1536 (4.2M)
	Sweep Panorama	Wide: horizontal 12,416 x 1,856 (23M), vertical 5,536 x 2,160 (12M), Standard: horizontal 8,192 x 1,856 (15M), vertical 3,872 x 2,160 (8.4M)
Image quality modes		RAW, RAW & JPEG, JPEG Fine, JPEG Standard
Picture Effect		11 modes (15 effects): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Monochrome, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Monochrome, Miniature
Creative Style		Standard, Vivid, Portrait, Landscape, Sunset, B/W (Contrast -3 to +3 steps, Saturation -3 to +3 steps, Sharpness -3 to +3 steps)
Dynamic range functions		Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range, Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step)
Color space		sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS™ Color
Recording system (movie)		
Recording format		AVCHD Ver. 2.0 compliant / MP4
Video compression		MPEG-4 AVC (H.264)
Audio recording format		Dolby Digital (AC-3) / MPEG-4 AAC-LC, 2ch
Image size (pixels)	1080 60i compatible device	AVCHD: 1920 x 1080 (60i/30 fps/24 Mbps/FX, 60i/30 fps/17 Mbps/FH, 24p/24 Mbps/FX, 24p/17 Mbps/FH)
		MP4: 1440 x 1080 (30 fps/12 Mbps), 640 x 480 (30 fps/3 Mbps)
Color space		xvYCC standard (x.v.Color™ when connected via HDMI cable) compatible with TRILUMINOS™ Color
Media		
Media		*Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick XC-HG Duo,* SD memory card, SDHC memory card, SDXC memory card
Slot		Multi slot for Memory Stick Duo/SD memory card
Noise reduction		
Noise reduction		Long exposure NR: On/Off, available at shutter speeds longer than 1 sec.
		High ISO NR: High/Normal/Low selectable
Multi frame noise reduction		Auto/ISO 100 to 25600
White balance		
Modes		Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent (Warm white/Cool white/Day white/Daylight), Flash, C. Temp 2500 to 9900K, C Filter G7 to M7, 15-step, Custom, AWB micro adjustment
AWB micro adjustment		Available in all modes <G7 to M7 (15 steps), A7 to B7 (15 steps)>
Bracketing		3 frames, H/L selectable
Focus system		
Type		TTL phase-detection AF
Focus sensor		CCD line sensors
Focus point		15 points (3 points cross type)
Sensitivity range		EV -1 to 18 (at ISO 100 equivalent with F2.8 lens attached)
Focus mode		Autofocus, Manual Focus selectable
AF mode		Single-shot AF (AF-S), Continuous AF (AF-C), Automatic AF (AF-A) selectable
Focus area		Wide (auto, 15 points), Zone, Spot, Local
Lock-on AF		Yes
Other features		Predictive control (AF-A, AF-C), Focus lock, Eye-start AF, AF illuminator (built-in flash type, range: Approx. 1-5 m)
Exposure control		
Metering type		1200-zone evaluative metering
Metering sensor		*Exmor* APS HD CMOS sensor
Metering sensitivity		EV -2 to EV 17 (at ISO 100 equivalent with F1.4 lens attached)
Modes		Multi segment, Center weighted, Spot
Exposure modes		iAUTO, Flash Off, Superior Auto, Scene Selection, Sweep Panorama, Continuous Advance Priority AE, Movie, Picture Effect, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M)
Scene Selection		Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night Scene, Hand-held Twilight
Exposure compensation		Still images: +/-3.0 EV (0.3 EV steps), Movies: +/-2.0 EV (0.3 EV steps)
AE bracketing		Bracket: t., Bracket: Single, with 0.3 EV, 0.7 EV, 1 EV, 2 EV, 3 EV increments, 3 frames
AE lock		Available with AE lock button. AE is also locked when focus is locked in multi-segment metering mode.
ISO sensitivity (Recommended Exposure Index)		Still images: AUTO (ISO 100 - 3200) / ISO 100 - 16000 (1 EV step), Movies: AUTO (ISO 100 - 3200 equivalent) / ISO 100 - 3200 equivalent (1 EV step)
Viewfinder		
Type		1.0 cm (0.39 type) electronic viewfinder (color), Xtra Fine
Total number of dots		1,440,000 dots
Effective number of dots		1,440,000 dots
Brightness control		Auto / Manual (3 steps between -1 and +1)
Color temperature control		Manual (5 steps)
Field coverage		100%
Magnification *1		Approx. 0.88x
Diopter adjustment		-4 to +4 m^{-1}
Eye point		Maximum: 26.5 mm from the eyepiece, 23 mm from the eyepiece frame at -1 diopter (CIPA standard)
Display		Graphic Display / Display All Info. / No Disp. Info. / Histogram
Real-time image adjustment display		On/Off
LCD screen		
Type		6.7 cm (2.7 type) TFT drive (Clear Photo LCD)
Total number of dots		460,800 dots
Brightness control		Manual (5 steps between -2 and +2)
Field coverage		100%
Adjustable angle		Up approx. 135 degrees, down approx. 55 degrees
Display Selector (viewfinder/LCD)		Auto/Manual
Display		Graphic Display / Display All Info. / No Disp. Info. / Histogram / For viewfinder
Real-time image adjustment display		On/Off
Focus Magnifier		6.8x, 13.6x
Peaking MF		Yes (Level: High/Mid/Low/Off, Color: White/Red/Yellow)
Zoom		
		Clear Image Zoom: Still images 2x Smart Zoom (still images) M: 1.4x, S: 2x Digital Zoom (still images) 4x Digital Zoom (movie) 4x
Shutter		
Type		Electronically controlled, vertical-traverse, focal-plane type
Shutter speed		Still images: 1/4000 to 30 sec/Bulb, Movies: 1/4000 to 1/4 (1/3 step), up to 1/30 in AUTO mode
Flash sync. speed		1/160 second
Electronic front curtain shutter		Yes, On/Off
SteadyShot INSIDE (image stabilization)		
System		For still images: Image Sensor-Shift mechanism, For movies: Electronic
SteadyShot capability		For still images: Approx. 2.5-4.5 EV decrease in shutter speed (varies according to shooting conditions and lens used)
Flash		
Type		Auto popup, built-in
Guide No.		10 (in meters at ISO 100)
Coverage		18mm (focal-length printed on the lens body)
Control		ADI flash / Pre-flash TTL
Compensation		±2.0 EV (0.3 EV steps)
Bracketing		0.3 EV, 0.7 EV, 1 EV, 2 EV, 3 EV steps, 3 frames
Modes		Flash off, Autoflash, Fill-flash, Rear sync., Slow Sync., Red-eye reduction (On/Off selectable), Wireless *2, Hi-speed sync *2
Recycling time		Approx. 4 sec
External flash		Sony α System Flash compatible with Multi Interface Shoe. Attach the optional shoe adaptor (ADP-MAA) for flash compatible with Auto-lock Accessory Shoe.
Wireless control		Yes (wireless flash with lighting ratio control)
Drive		
Drive modes		Single Shooting, Continuous Shooting (Hi/Lo selectable), Self-timer (10/2 sec. delay selectable), Bracketing (Cont., Single, White Balance)
Continuous shooting speed *3		Hi: Maximum 5 frames per second, Lo: Maximum 2.5 frames per second
		Tele-zoom Continuous Advance Priority AE: Maximum 8 frames per second
No. of frames recordable *3		Tele-zoom Continuous Advance Priority AE: Fine: 16 frames, Standard: 19 frames
		Continuous shooting *4: Fine: 7 frames, Standard: 8 frames, RAW & JPEG: 5 frames, RAW: 6 frames
Playback		
Modes		Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 15x, M: 11x, S: 7.7x), Auto Review (10/5/2 sec, Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect
Other features		
		Auto Object Framing, Face Detection (up to 8 faces detectable automatically), Face Registration, Face Selection, Smile Shutter (selectable from 3 steps), In-Camera Guide, Custom Function
Interface		
PC interface		Multi/Micro USB Terminal *5, Hi-speed USB (USB 2.0): Mass-storage, MTP/Multi (REMOTE)/Micro USB type B
HD output		HDMI mini connector (Type-D), BRAVIA Sync (link menu), PhotoTV HD
Others		Multi Interface Shoe, Microphone jack, DC IN terminal
Compatible OS (USB connection)		
		Windows XP *6 SP3, Windows Vista *7 SP2, Windows 7 SP1, Windows 8, Mac OS X (10.5-10.8)
Audio		
Microphone		Built-in stereo microphone or ECM-XYST1M / ECM-CG50 (sold separately)
Speaker		Built-in, monaural, volume settings in 8 steps between 0 and 7.
Print		
Compatible standards		Exif Print, Print Image Matching III, DPOF setting
Custom function		
Type		Custom key settings
Power		
Battery		Rechargeable battery pack NP-FM500H
Still images		Approx. 690 shots with viewfinder and 700 shots with LCD screen (CIPA standard)
Movies		Actual *8*9: Approx. 160 min. with viewfinder and 160 min. with LCD screen (CIPA standard)
		Continuous *8*10: Approx. 270 min. with viewfinder and 265 min. with LCD screen (CIPA standard)
External power		AC Adaptor AC-PW10AM (optional)
Weight		
With battery and Memory Stick PRO Duo		Approx. 573 g (1 lb 4.2 oz)
Body only		Approx. 492 g (1 lb 1.4 oz)
Dimensions		
(W x H x D) (excluding protrusions)		Approx. 128.6 x 95.5 x 77.7 mm
Body material		
Body material		High-grade plastic exterior
Operating temperature		
Range		0°C to 40°C (32°F to 104°F)

Specifications and features are based on information available at the time of printing and are subject to change without notice.

*1 With 50 mm lens at infinity, -1 m^{-1}
*2 With compatible external flash
*3 Speed may vary depending on shooting conditions and memory card in use.
*4 When drive mode is set to continuous shooting "Hi" mode.
*5 Supports Micro USB compatible devices
*6 64-bit and Starter Editions are not supported.
*7 Starter Edition is not supported.
*8 Continuous movie recording is possible for approximately 29 minutes (limited by product specifications).
*9 Indicated recording time is defined by repeating the following cycle: Power on, start recording, zoom, stand-by and power off.
*10 Indicated recording time is defined by repeating the following cycle: Pressing the MOVIE button. No other operations such as zoom are performed.

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Recycled plastic (recycled material rate: 10%) is used in the chassis.
SoRPlas (Sony Recycled Plastic) contains 99% recycled material content and is used in internal components of the product — virtually eliminating the need to use oil-based virgin plastics.

System requirements of bundled software

	Image Data Converter Ver.4		PlayMemories Home
OS*	Microsoft Windows®	Macintosh	Microsoft Windows®
	Windows® XP** SP3, Windows Vista® SP2, Windows® 7 SP1, Windows® 8	Mac OS X (10.5-10.8)	Windows® XP** SP3, Windows Vista® SP2, Windows® 7 SP1, Windows® 8
CPU	Pentium 4 or faster	Intel Core Solo, Core Duo, Core 2 Duo or faster	Pentium III 800 MHz or faster (for playing/editing HD movies: Intel Core Duo 1.66 GHz or faster, Intel Core 2 Duo 1.66 GHz or faster, Intel Core 2 Duo 2.26 GHz or faster (HD FX/HD FH), Intel Core 2 Duo 2.40 GHz or faster (HD PS))
Memory	1 GB or more is recommended	1 GB or more is recommended	512 MB or more (for playing/editing HD movies: 1 GB or more)

The computer environment must also satisfy the operating requirements of the OS.
* Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment.
** 64-bit and Starter Editions are not supported. Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required for disc burning function.

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• Screen displays and effects used to illustrate some functions are simulated.
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